

SECOND SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				Complete if Known	
				Application Number	10/815,730
				Filing Date	April 2, 2004
				First Named Inventor	James L. HARTLEY
				Art Unit	1645
				Examiner Name	Vogel, N.
Sheet	1	of	1	Attorney Docket Number	0942.285000N/BJD/JKM

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
NV ↓	AJ20	5,552,314	09/03/1996	Greener, Alan L.	
	AK20	5,695,971	12/09/1997	Kadokami <i>et al.</i>	
	AA21	5,910,438	06/08/1999	Bernard <i>et al.</i>	
	AB21	5,994,136	11/30/1999	Naldini <i>et al.</i>	
	AC21	6,025,192	02/15/2000	Beach <i>et al.</i>	
	AD21	6,110,735	08/29/2000	Chartier <i>et al.</i>	
	AE21	6,120,764	09/19/2000	Graham <i>et al.</i>	
	AF21	6,121,043	09/19/2000	Cochran <i>et al.</i>	
	AG21	6,140,087	10/31/2000	Graham <i>et al.</i>	
	AH21	6,156,497	12/05/2000	Kaleko	
	AI21	6,165,782	12/26/2000	Naldini <i>et al.</i>	
	AJ21	6,228,646	05/08/2001	Hardy	
	AK21	6,281,000	08/28/2001	Chartier <i>et al.</i>	
	AA22	2003/0022179 A1	01/30/2003	Chesnut <i>et al.</i>	
	AB22	2004/0132133 A1	07/08/2004	Bennett, Robert P.	
	AC22	2004/0253620 A1	12/16/2004	Leong <i>et al.</i>	
	AD22	2005/0069929 A1	03/31/2005	Chestnut <i>et al.</i>	
	AE22	2005/0095615 A1	05/05/2005	Welch <i>et al.</i>	
	AF22	2005/0176065 A1	08/11/2005	Hanson, George Thomas	
	AG22	2005/0181417 A1	08/18/2005	Miles <i>et al.</i>	
	AH22	2005/0208530 A1	09/22/2005	Chesnut <i>et al.</i>	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				
NV ↓	AM23	WO 96/23904 A1	08/08/1996	Replicon, Inc.		
		WO 97/47758 A1	12/18/1997	Massachusetts Institute of Technology		
	AN23					
	AO23	WO 98/38326 A1	09/03/1998	Nature Technology Corporation		
	AP23	WO 2005/012487 A2	02/10/2005	Invitrogen Corporation		
	AL24	WO 2005/014796 A2	02/17/2005	Invitrogen Corporation		

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Examiner Signature		Date Considered	
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. * Applicant's unique citation designation number (optional). * See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. * Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). * For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. * Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. * Applicant is to place a check mark here if English language translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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PTO/SB/08B (07-05)

Approved for use through 07/31/2006. OMB 0851-0031

Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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				Application Number	10/815,730
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				First Named Inventor	James L. HARTLEY
				Art Unit	1645
				Examiner Name	Vogel, N.
Sheet	1	of	3	Attorney Docket Number	0942.285000N/BJD/JKM

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume issue number(s), publisher, city and/or country where published	T ²
NV	AS214	Alonso, J.C., "Site-specific recombination in Gram-positive theta-replicating plasmids," <i>FEMS Microbiol. Lett.</i> 142:1-10, Elsevier Science B.V. (August 1996)	
	AT214	Amin, A.A., <i>et al.</i> , "Synthesis of an Enzymatically Active FLP Recombinase In Vitro: Search for a DNA-Binding Domain," <i>Molec. Cell. Biol.</i> 9: 1987-1995, American Society for Microbiology (1989)	
	AR215	Bliska, J.B and Cozzarelli, N.R., "Use of Site-Specific Recombination as a Probe of DNA Structure and Metabolism <i>in Vivo</i> ," <i>J. Molec. Biol.</i> 194:205-218, Academic Press Inc. (1987)	
	AS215	Chatterjee, P.K. and Sternberg, N.L., "Retrofitting High Molecular Weight DNA Cloned in P1: Introduction of Reporter Genes, Markers Selectable in Mammalian Cells and Generation of Nested Deletions," <i>Genet. Anal.: Biomolec. Eng.</i> 13:33-42, Elsevier Science B.V. (July 1996)	
	AT215	Huang, L.-C., <i>et al.</i> , "A bacterial model system for chromosomal targeting," <i>Nucl. Acids Res.</i> 19:443-448, Oxford University Press (1991)	
	AR216	Kanegae, Y., <i>et al.</i> , "Efficient gene activation in mammalian cells by using recombinant adenovirus expressing site-specific Cre recombinase," <i>Nucl. Acids Res.</i> 23:3816-3821, Oxford University Press (October 1995)	
	AS216	Lieber, A., <i>et al.</i> , "Recombinant Adenoviruses with Large Deletions Generated by Cre-Mediated Excision Exhibit Different Biological Properties Compared with First-Generation Vectors In Vitro and In Vivo," <i>J. Virol.</i> 70:8944-8960, American Society for Microbiology (December 1996)	
	AT216	Liu, X. and Gorovsky, M.A., "Mapping the 5' and 3' Ends of <i>Tetrahymena thermophelia</i> mRNAs Using RNA Ligase Mediated Amplification of cDNA Ends (RLM-RACE)," <i>Nucl. Acids Res.</i> 21:4954-4960, Oxford University Press (1993)	
	AR217	Wang, Y. <i>et al.</i> , "Targeted DNA recombination in vivo using an adenovirus carrying the cre recombinase gene," <i>Proc. Natl. Acad. Sci. USA</i> 93:3932-3936, National Academy of Sciences (April 1996)	
✓	AS217	Copy of Office Action for United States Patent Application No. 09/432,085, Hartley <i>et al.</i> , mailed June 16, 2005	

Examiner Signature	Date Considered
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Sheet	2	of	3	Attorney Docket Number	0942.285000N/BJD/JKM

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NV ↓	AT217	Copy of Office Action for United States Patent Application No. 09/517,466, Hartley <i>et al.</i> , mailed November 18, 2005	
	AR218	Copy of Office Action for United States Patent Application No. 09/855,797, Hartley <i>et al.</i> , mailed April 20, 2005	
	AS218	Copy of Office Action for United States Patent Application No. 09/855,797, Hartley <i>et al.</i> , mailed October 11, 2005	
	AT218	Copy of Office Action for United States Patent Application No. 09/907,719, Hartley <i>et al.</i> , mailed July 26, 2005	
	AR219	Copy of Office Action for United States Patent Application No. 10/058,291, Hartley <i>et al.</i> , mailed April 28, 2005	
	AS219	Copy of Office Action for United States Patent Application No. 10/058,291, Hartley <i>et al.</i> , mailed October 21, 2005	
	AT219	Copy of Office Action for United States Patent Application No. 10/058,292, Hartley <i>et al.</i> , mailed May 26, 2005	
	AR220	Copy of Office Action for United States Patent Application No. 10/058,292, Hartley <i>et al.</i> , mailed November 18, 2005	
	AS220	Copy of Office Action for United States Patent Application No. 10/151,690, Brasch <i>et al.</i> , mailed April 18, 2005	
	↓	AT220	Copy of Office Action for United States Patent Application No. 10/162,879, Hartley <i>et al.</i> , mailed April 28, 2005

Examiner Signature		Date Considered	
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Substitute for form 1449/PTO SECOND SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				Complete if Known	
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				First Named Inventor	James L. HARTLEY
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				Examiner Name	Vogel, N.
Sheet	3	of	3	Attorney Docket Number	0942.285000N/BJD/JKM

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume number, publisher, city and/or country where published	T ²
NV	AR221	Copy of Office Action for United States Patent Application No. 10/162,879, Hartley <i>et al.</i> , mailed October 20, 2005	
	AS221	United States Patent Application No. 11/106,715, Byrd <i>et al.</i> , filed April 15, 2005	
	AT221	United States Patent Application No. 11/249,274, Hartley <i>et al.</i> , filed October 14, 2005	
	AR222	United States Patent Application No. 11/251,821, Brasch <i>et al.</i> , filed October 18, 2005	
↓	AS222	United States Patent Application No. 11/290,804, Gray <i>et al.</i> , filed December 1, 2005	

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Examiner Signature	/Nancy Vogel/	Date Considered	09/25/2006
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FORM PTO-1489

FIRST SUPPLEMENTAL

INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.
0942.285000N/BJD/JKMAPPLICATION NO.
10/815,730INVENTORS(S)
Hartley *et al.*FILING DATE
April 2, 2004ART UNIT
1645

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
NV	AA20	5,451,513	09/19/1995	Maliga <i>et al.</i>			08/25/1993
	AB20	6,040,138	03/21/2000	Lockhart <i>et al.</i>			09/15/1995
	AC20	6,303,301	10/16/2001	Mack			05/29/1998
	AD20	6,309,822	10/30/2001	Fodor <i>et al.</i>			12/23/1996
	AE20	6,333,155	12/25/2001	Lockhart <i>et al.</i>			12/18/1998
	AF20	6,544,790	04/08/2003	Sabatini			09/18/2000
	AG20	2002/0162126	10/31/2002	Beach <i>et al.</i>			05/24/2001
	AH20	2003/0135888	07/17/2003	Zhu <i>et al.</i>			09/26/2002
	AI20	2003/0175772	09/18/2003	Wang			12/26/2002
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FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
NV	AL20	FR 2 670 502	06/16/1992	France			Yes X No
NV	AM20	WO 92/10577	06/25/1992	WIPO			Yes X No
NV	AN20	WO 94/20604	09/15/1994	WIPO			Yes No
NV	AO20	WO 00/29000	05/25/2000	WIPO			Yes No
NV	AP20	WO 00/52027	09/08/2000	WIPO			Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

NV	AR	200	Agah, R., <i>et al.</i> , "Gene Recombination in Postmitotic Cells. Targeted Expression of Cre Recombinase Provokes Cardiac-restricted, Site-specific Rearrangement in Adult Ventricular Muscle In Vivo," <i>J. Clin. Invest.</i> 100:169-179, The American Society for Clinical Investigation, Inc. (July 1997)
NV	AS	200	Benoist, C. and Chambon, P., "In vivo sequence requirements of the SV40 early promoter region," <i>Nature</i> 290:304-310, Macmillan Journals, Ltd. (1981)
NV	AT	200	Botstein, D., <i>et al.</i> , "Making Mutations In Vitro and Putting Them Back Into Yeast," in <i>From Gene to Protein: Translation into Biotechnology</i> , Ahmad, F., <i>et al.</i> , eds., Academic Press, New York, NY, pp. 265-274 (1982)

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FORM PTO-1449

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0942.285000N/BJD/JKM

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NV	AL21	WO 00/52141	09/08/2000	WIPO			Yes No
NV	AM21	WO 01/25466	04/12/2001	WIPO			Yes No
NV	AN21	WO 01/42509	06/14/2001	WIPO			Yes No
NV	AO21	WO 02/46372	06/13/2002	WIPO			Yes No
NV	AP21	WO 02/62957	08/15/2002	WIPO			Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

NV	AR	201	Broach, J.R., "The Yeast Plasmid 2 μ Circle," <i>Cell</i> 28:203-204, MIT (1982)
NV	AS	201	Cenatiempo, Y., "Prokaryotic gene expression <i>in vitro</i> : transcription-translation coupled systems," <i>Biochimie</i> 68:505-515, Elsevier (1986)
NV	AT	201	Christiansen, B., <i>et al.</i> , "A Resolvase-Like Protein Is Required for the Site-Specific Integration of the Temperate Lactococcal Bacteriophage TP901-1," <i>J. Bacteriol.</i> 178:5164-5173, American Society for Microbiology (September 1996)

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NV	AL22	WO 02/86144	10/31/2002	WIPO			Yes
NV	AM22	WO 02/095055	11/28/2002	WIPO			No
NV	AN22	WO 03/044207	05/30/2003	WIPO			Yes
NV	AO22	WO 04/009768	01/29/2004	WIPO			No
NV	AP22	WO 04/013290	02/12/2004	WIPO			Yes
							No

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NV	AR	202	Crellin, P.K. and Rood, J.I., "The Resolvase/Invertase Domain of the Site-Specific Recombinase TnpX Is Functional and Recognizes a Target Sequence That Resembles the Junction of the Circular Form of the <i>Clostridium perfringens</i> Transposon Tn4451," <i>J. Bacteriol.</i> 179:5148-5156, American Society for Microbiology (August 1997)
NV	AS	202	Ferrin, L.J. and Camerini-Otero, R.D., "Sequence-specific ligation of DNA using RecA protein," <i>Proc. Natl. Acad. Sci. USA</i> 95:2152-2157, National Academy of Sciences (March 1998)
NV	AT	202	Golic, K.G. and Golic, M.M., "Engineering the Drosophila Genome: Chromosome Rearrangements by Design," <i>Genetics</i> 144:1693-1711, The Genetics Society of America (1996)

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	AL23	WO 01/68836	09/20/2001	WIPO			Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

NV	AR	<u>203</u>	Gottesman, S., "Bacterial Regulation: Global Regulatory Networks," <i>Ann. Rev. Genet.</i> 18:415-441, Annual Reviews, Inc. (1984)
NV	AS	<u>203</u>	Guo, F., <i>et al.</i> , "Structure of Cre recombinase complexed with DNA in a site-specific recombination synapse," <i>Nature</i> 389:40-46, Nature Publishing Group (September 1997)
NV	AT	<u>203</u>	Hallet, B. and Sherratt, D.J., "Transposition and site-specific recombination: adapting DNA cut-and-paste mechanisms to a variety of genetic rearrangements," <i>FEMS Microbiol. Rev.</i> 21:157-178, Elsevier Science B.V. (September 1997)

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	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

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NV	AR	<u>204</u>	Hamer, D.H. and Walling, M., "Regulation <i>In Vivo</i> of a Cloned Mammalian Gene: Cadmium Induces the Transcription of a Mouse Metallothionein Gene in SV40 Vectors," <i>J. Mol. Appl. Genet.</i> 1:273-288, Raven Press (1982)
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NV	AT	<u>204</u>	Huang, L-C., <i>et al.</i> , "Convenient and Reversible Site-Specific Targeting of Exogenous DNA into a Bacterial Chromosome by Use of the FLP Recombinase: the FLIRT System," <i>J. Bacteriol.</i> 179:6076-6083, American Society for Microbiology (October 1997)

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FORM PTO-1449

**FIRST SUPPLEMENTAL
INFORMATION DISCLOSURE STATEMENT**

ATTY. DOCKET NO.
0942.285000N/BJD/JKM

APPLICATION NO.
10/815,730

INVENTORS(S)
Hartley *et al.*

FILING DATE
April 2, 2004

ART UNIT
1645

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
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FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

NV	AR	<u>205</u>	John, Jr., J.F. and Twitty, J.A., "Plasmids as Epidemiologic Markers in Nosocomial Gram-Negative Bacilli: Experience at a University and Review of the Literature," <i>Rev. Infect. Dis.</i> 8:693-704, University of Chicago (1986)
NV	AS	<u>205</u>	Johnston, S.A. and Hopper, J.E., "Isolation of the yeast regulatory gene <i>GAL4</i> and analysis of its dosage effects on the galactose/melibiose regulon," <i>Proc. Natl. Acad. Sci. USA</i> 79:6971-6975, National Academy of Sciences (1982)
NV	AT	<u>205</u>	Kendall, K.J. and Cohen, S.N., "Plasmid Transfer in <i>Streptomyces lividans</i> : Identification of a <i>kil-kor</i> System Associated with the Transfer Region of pIJ101," <i>J. Bacteriol.</i> 169:4177-4183, American Society for Microbiology (1987)

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	AN						Yes No
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NV	AR	<u>206</u>	Lyznik, L.A., <i>et al.</i> , "Activity of yeast FLP recombinase in maize and rice protoplasts," <i>Nucleic Acids Res.</i> 21:969-975, Oxford University Press (1993)
NV	AS	<u>206</u>	Maniatis, T., "Recombinant DNA Procedures in the Study of Eukaryotic Genes," in <i>Cell Biology: A Comprehensive Treatise, Volume 3, Gene Expression: The Production of RNA's</i> , Goldstein, L., and Prescott, D.M., eds., Academic Press, Inc., New York, NY, pp. 563-608 (1980)
NV	AT	<u>206</u>	Mayer, B.J. and Baltimore, D., "Signalling through SH2 and SH3 domains," <i>Trends Cell Biol.</i> 3:8-13, Elsevier Science (1993)

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NV	AR	<u>207</u>	McKnight, S.L., "Functional Relationships between Transcriptional Control Signals of the Thymidine Kinase Gene of Herpes Simplex Virus," <i>Cell</i> 31:355-365, MIT (1982)
NV	AS	<u>207</u>	Nunes-Duby, S.E., <i>et al.</i> , "λ Integrase cleaves DNA <i>in cis</i> ," <i>EMBO J.</i> 13:4421-4430, Oxford University Press (1994)
NV	AT	<u>207</u>	Odell, J., <i>et al.</i> , "Site-directed recombination in the genome of transgenic tobacco," <i>Mol. Gen. Genet.</i> 223:369-378, Springer-Verlag (1990)

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NV	AT	208	Sadowski, I., <i>et al.</i> , "A Noncatalytic Domain Conserved among Cytoplasmic Protein-Tyrosine Kinases Modifies the Kinase Function and Transforming Activity of Fujinami Sarcoma Virus P130 ^{gag-fps} ," <i>Mol. Cell. Biol.</i> 6:4396-4408, American Society for Microbiology (1986)

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NV	AR	209	Sauer, B. and Henderson, N., "Targeted Insertion of Exogenous DNA into the Eukaryotic Genome by the Cre Recombinase," <i>New Biol.</i> 2:441-449, Saunders Scientific Publications/W.B. Saunders Company (1990)
NV	AS	209	Senecoff, J.F., <i>et al.</i> , "The FLP recombinase of the yeast 2- μ m plasmid: Characterization of its recombination site," <i>Proc. Natl. Acad. Sci. USA</i> 82:7270-7274, National Academy of Sciences (1985)
NV	AT	209	Shaikh, A.C. and Sadowski, P.D., "The Cre Recombinase Cleaves the <i>lox</i> Site in <i>trans</i> ," <i>J. Biol. Chem.</i> 272:5695-5702, The American Society for Biochemistry and Molecular Biology, Inc. (February 1997)

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NV	AR	<u>210</u>	Shirai, M., <i>et al.</i> , "Site-Specific Integration of the Actinophage R4 Genome into the Chromosome of <i>Streptomyces parvulus</i> upon Lysogenization," <i>J. Bacteriol.</i> 173:4237-4239, American Society for Microbiology (1991)
NV	AS	<u>210</u>	Shuman, S., <i>et al.</i> , "Characterization of Vaccinia Virus DNA Topoisomerase I Expressed in <i>Escherichia coli</i> ," <i>J. Biol. Chem.</i> 263:16401-16407, The American Society for Biochemistry and Molecular Biology, Inc. (1988)
NV	AT	<u>210</u>	Shuman, S., "Site-specific Interaction of Vaccinia Virus Topoisomerase I with Duplex DNA. Minimal DNA Substrate for Strand Cleavage <i>In Vitro</i> ," <i>J. Biol. Chem.</i> 266:11372-11379, The American Society for Biochemistry and Molecular Biology, Inc. (1991)

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NV	AR	<u>211</u>	Shuman, S., "Erratum: Site-specific Interaction of Vaccinia Virus Topoisomerase I with Duplex DNA. Minimal DNA Substrate for Strand Cleavage <i>In Vitro</i> ," <i>J. Biol. Chem.</i> 266:20576-20577, The American Society for Biochemistry and Molecular Biology, Inc. (1991)
NV	AS	<u>211</u>	Silver, P.A., <i>et al.</i> , "Amino terminus of the yeast <i>GAL4</i> gene product is sufficient for nuclear localization," <i>Proc. Natl. Acad. Sci. USA</i> 81:5951-5955, National Academy of Sciences (1984)
NV	AT	<u>211</u>	Stark, W.M., <i>et al.</i> , "Catalysis by site-specific recombinases," <i>Trends Genet.</i> 8:432-439, Elsevier Science (1992)

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NV	AR	<u>212</u>	Ulmanen, I., <i>et al.</i> , "Transcription and Translation of Foreign Genes in <i>Bacillus subtilis</i> by the Aid of a Secretion Vector," <i>J. Bacteriol.</i> 162:176-182, American Society for Microbiology (1985)
NV	AS	<u>212</u>	van Deursen, J., <i>et al.</i> , "Cre-mediated site-specific translocation between nonhomologous mouse chromosomes," <i>Proc. Natl. Acad. Sci. USA</i> 92:7376-7380, National Academy of Sciences (1995)
NV	AT	<u>212</u>	Ward, J.M., <i>et al.</i> , "Construction and characterisation of a series of multi-copy promoter-probe plasmid vectors for <i>Streptomyces</i> using the aminoglycoside phosphotransferase gene from Tn5 as indicator," <i>Mol. Gen. Genet.</i> 203:468-478, Springer-Verlag (1986)

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	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

NV	AR	<u>213</u>	Invitrogen Life Technologies online catalog, "Directional TOPO Entry Vectors," 4 pages, accessed September 27, 2002, available at: http://www.invitrogen.com/content.cfm?pageid=3799&cfid=2897960&cftoken=88086554
NV	AS	<u>213</u>	Dialog File 351, Derwent World Patent Index, Unverified English Language Abstract for French Patent No. FR 2 670 502 (Document AL20) and PCT Patent No. WO 92/10577 (Document AM20), WPI Accession No. 9107201
NV	AT	<u>213</u>	Baum, J.A., "Tn5401, a New Class II Transposable Element From <i>Bacillus thuringiensis</i> ," <i>J. Bacteriol.</i> 176:2835-2845, American Society for Microbiology (1994)

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	AN						Yes No
	AO						Yes No
	AP						Yes No

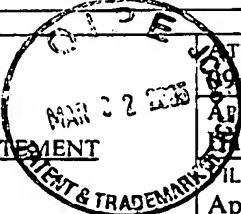
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NV	AR	214	Short, J.M., <i>et al.</i> , "λ ZAP: a bacteriophage λ expression vector with <i>in vivo</i> excision properties," <i>Nucleic Acids Res.</i> 16:7583-7600, Oxford University Press (1988).
	AS		
	AT		

EXAMINER /Nancy Vogel/

DATE CONSIDERED 09/27/2006

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INFORMATION DISCLOSURE STATEMENT APPLICANT(S) Bartley et al.						
FILING DATE April 2, 2004 ART UNIT 1645						
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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
NV	AA1	4,626,505	12/02/1986	Falco		02/24/1984
NV	AB1	4,673,640	06/16/1987	Backman		04/30/1984
NV	AC1	4,683,195	07/28/1987	Mullis et al.		02/07/1986
NV	AD1	4,683,202	07/28/1987	Mullis		10/25/1985
NV	AE1	4,743,546	05/10/1988	Backman et al.		04/29/1987
NV	AF1	4,808,537	02/28/1989	Stroman et al.		10/30/1984
NV	AG1	4,855,231	08/08/1989	Stroman et al.		09/25/1985
NV	AH1	4,959,317	09/25/1990	Sauer		06/17/1987
NV	AI1	4,959,217	09/25/1990	Sanders et al.		05/22/1986
NV	AJ1	4,965,188	10/23/1990	Mullis et al.		11/01/1989
NV	AK1	5,093,257	03/03/1992	Gray		05/26/1989
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NV	AL1	EP 0 160 571	11/06/1985	Europe		Yes No
NV	AM1	EP 0 220 009	04/29/1987	Europe		Yes No
NV	AN1	EP 0 300 422	01/25/1989	Europe		Yes No
NV	AO1	WO 90/11375	10/04/1990	WIPO		Yes No
NV	AP1	WO 91/02801	03/07/1991	WIPO		Yes No
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NV	AR	1	Abremski, K., et al., "Bacteriophage P1 Cre-loxP Site-specific Recombination: Site-specific DNA Topoisomerase Activity of the Cre Recombination Protein," <i>J. Biol. Chem.</i> 261:391-396, American Society for Biochemistry and Molecular Biology (1986)			
NV	AS	1	Abremski, K., and Hoess, R., "Bacteriophage P1 Site-specific Recombination - Purification and Properties of the Cre Recombinase Protein," <i>J. Biol. Chem.</i> 259:1509-1514, American Society for Biochemistry and Molecular Biology (1984)			
NV	AT	1	Abremski, K., et al., "Studies on the Properties of P1 Site-Specific Recombination: Evidence for Topologically Unlinked Products Following Recombination," <i>Cell</i> 32:1301-1311, Cell Press (1993)			
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NV	AB2	5,159,062	10/27/1992	Knapp <i>et al.</i>			10/01/1990
NV	AC2	5,227,288	07/13/1993	Blattner			01/09/1991
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	AE2	5,334,375	08/02/1994	Nabi <i>et al.</i>			10/15/1993
NV NV	AF2	5,334,575	08/02/1994	Noonan <i>et al.</i>			12/17/1992
NV	AG2	5,348,886	09/20/1994	Lee <i>et al.</i>			09/04/1992
NV	AH2	5,354,668	10/11/1994	Auerbach			09/29/1992
NV	AI2	5,378,618	01/03/1995	Sternberg <i>et al.</i>			03/15/1994
NV NV	AJ2	5,434,066	07/18/1995	Bebbee <i>et al.</i>			12/21/1993
NV	AK2	5,470,727	11/28/1995	Mascarenhas <i>et al.</i>			01/29/1993

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NV	AM2	WO 91/09957	07/11/1991	WIPO			Yes No
NV	AN2	WO 91/16427	10/31/1991	WIPO			Yes No
NV	AO2	WO 92/15694	09/17/1992	WIPO			Yes No
NV	AP2	WO 92/20791	11/26/1992	WIPO			Yes No

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NV	AR	2	Abremski, K., and Gottesman, S., "Purification of the Bacteriophage λ <i>xis</i> Gene Product Required for λ Excisive Recombination," <i>J. Biol. Chem.</i> 257:9658-9662, American Society for Biochemistry and Molecular Biology (1982)
NV	AS	2	Adams, D.E., <i>et al.</i> , "Cre-lox Recombination in <i>Escherichia coli</i> Cells: Mechanistic Differences from the <i>in Vitro</i> Reaction," <i>J. Mol. Biol.</i> 226:661-673, Academic Press (1992)
NV	AT	2	Akagi, K., <i>et al.</i> , "Cre-mediated somatic site-specific recombination in mice," <i>Nucl. Acids Res.</i> 25:1766-1773, Oxford University Press (May 1997)

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NV	AB3	5,591,609	01/07/1997	Auerbach			02/17/1994
NV	AC3	5,605,793	02/25/1997	Stemmer			09/26/1995
NV	AD3	5,614,389	03/25/1997	Auerbach			01/20/1995
NV	AE3	5,635,381	06/03/1997	Hooykaas <i>et al.</i>			06/07/1995
NV	AF3	5,650,308	07/22/1997	Baum			06/07/1995
NV	AG3	5,650,557	07/22/1997	Hannah <i>et al.</i>			07/27/1994
NV	AH3	5,654,182	08/05/1997	Wahl <i>et al.</i>			06/07/1995
NV	AI3	5,658,772	08/19/1997	Odell <i>et al.</i>			03/02/1994
NV	AJ3	5,677,170	10/14/1997	Devine <i>et al.</i>			06/07/1995
NV	AK3	5,677,177	10/14/1997	Wahl <i>et al.</i>			07/29/1996

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
NV	AL3	WO 92/22650	12/23/1992	WIPO			Yes No
NV	AM3	EP 0 542 466	05/19/1993	Europe			Yes No
NV	AN3	WO 93/15191	08/05/1993	WIPO			Yes No
NV	AO3	WO 93/19172	09/30/1993	WIPO			Yes No
NV	AP3	CA 2,141,412	02/17/1994	Canada			Yes No

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NV	AR	3	Aladjem, M.I., <i>et al.</i> , "Positive Selection of FLP-Mediated Unequal Sister Chromatid Exchange Products in Mammalian Cells," <i>Mol. Cell. Biol.</i> 17:857-861, American Society for Microbiology (February 1997)
NV	AS	3	Albert, H., <i>et al.</i> , "Site-specific Integration of DNA into wild-type and mutant <i>lox</i> sites placed in the plant genome," <i>Plant J.</i> 7:649-659, Blackwell Science Ltd. (1995)
NV	AT	3	Andrews, B.J., <i>et al.</i> , "The FLP Recombinase of the 2 μ Circle DNA of Yeast: Interaction with Its Target Sequences," <i>Cell</i> 40:795-803, Cell Press (1985)

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NV	AA4	5,710,248	01/20/1998	Grose			06/07/1995
	AB4	5,723,765	03/03/1998	Oliver <i>et al.</i>			03/02/1995
	AC4	5,728,551	03/17/1998	Devine <i>et al.</i>			02/01/1996
	AD4	5,733,733	03/31/1998	Auerbach			06/10/1996
	AE4	5,733,743	03/31/1998	Johnson <i>et al.</i>			03/08/1996
	AF4	5,744,336	04/28/1998	Hodges <i>et al.</i>			02/13/1985
	AG4	5,766,891	06/16/1998	Shuman			12/19/1994
	AH4	5,776,449	07/07/1998	Baum <i>et al.</i>			09/20/1996
	AI4	5,801,030	09/01/1998	McVey <i>et al.</i>			09/01/1995
	AJ4	5,814,300	09/29/1998	Scott <i>et al.</i>			03/03/1995
	AK4	5,830,707	11/03/1998	Bushman			06/05/1995

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
NV	AL4	WO 94/03624	02/17/1994	WIPO			Yes No
NV	AM4	WO 94/09127	04/28/1994	WIPO			Yes No
NV	AN4	WO 94/17176	08/04/1994	WIPO			Yes No
NV	AO4	WO 94/18333	08/18/1994	WIPO			Yes No
NV	AP4	WO 95/00555	01/05/1995	WIPO			Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

NV	AR	4	Andrews, B.J., <i>et al.</i> , "Interaction of the FLP Recombinase of the <i>Saccharomyces cerevisiae</i> 2µm Plasmid with Mutated Target Sequences," <i>Mol. Cell. Biol.</i> 6:2482-2489, American Society for Microbiology (1986)
NV	AS	4	Angelastro, J.M., <i>et al.</i> , "Identification of diverse nerve growth factor-regulated genes by serial analysis of gene expression (SAGE) profiling," <i>Proc. Natl. Acad. Sci. USA</i> 97:10424-10429, National Academy of Sciences (September 2000)
NV	AT	4	Angrand, P.O., <i>et al.</i> , "Inducible expression based on regulated recombination: a single vector strategy for stable expression in cultured cells," <i>Nucl. Acids Res.</i> 26:3263-3269, Oxford University Press (July 1998)

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NV	AA5	5,837,242	11/17/1998	Holliger <i>et al.</i>			05/14/1996
	AB5	5,837,458	11/17/1998	Minshull <i>et al.</i>			05/20/1996
	AC5	5,843,772	12/01/1998	Devine <i>et al.</i>			11/18/1994
	AD5	5,851,808	12/22/1998	Elledge <i>et al.</i>			02/28/1997
	AE5	5,858,657	01/12/1999	Winter <i>et al.</i>			06/07/1995
	AF5	5,871,907	02/16/1999	Winter <i>et al.</i>			03/31/1994
	AG5	5,874,259	02/23/1999	Szybalski			11/21/1997
	AH5	5,888,732	03/30/1999	Hartley <i>et al.</i>			06/07/1996
	AI5	5,916,804	06/29/1999	Bushman			04/17/1998
	AJ5	5,919,676	07/06/1999	Graham <i>et al.</i>			06/07/1995
	AK5	5,928,914	07/27/1999	Leboulch <i>et al.</i>			11/05/1996

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NV	AL5	WO 96/04393	02/19/1996	WIPO			Yes No
NV	AM5	WO 96/19497	06/27/1996	WIPO			Yes No
NV	AN5	WO 96/30498	10/03/1996	WIPO			Yes No
NV	AO5	WO 96/40722	12/19/1996	WIPO			Yes No
NV	AP5	WO 96/40724	12/19/1996	WIPO			Yes No

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NV	AR	§	Anton, M., and Graham, F.L., "Site-Specific Recombination Mediated by an Adenovirus Vector Expressing the Cre Recombinase Protein: a Molecular Switch for Control of Gene Expression," <i>J. Virol.</i> 69:4600-4606, American Society for Microbiology (1995)
NV	AS	§	Araki, H., <i>et al.</i> , "Site-specific Recombinase, R, Encoded by Yeast Plasmid pSR1," <i>J. Mol. Biol.</i> 225:25-37, Academic Press, Inc., New York, NY (1992)
NV	AT	§	Astumian, J.H., <i>et al.</i> , "Site-specific recombination between cloned attP and attB sites from the Haemophilus influenza bacteriophage HP1 propagated in recombination deficient <i>Escherichia coli</i> ," <i>J. Bacteriol.</i> 171:1747-1750, American Society for Microbiology (1989)

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NV	AA6	5,929,307	07/27/1999	Hodges <i>et al.</i>			12/20/1996
	AB6	5,962,255	10/05/1999	Griffiths <i>et al.</i>			12/05/1994
	AC6	5,981,177	11/09/1999	Demirjian <i>et al.</i>			01/25/1995
	AD6	5,989,872	11/22/1999	Luo <i>et al.</i>			08/12/1997
	AE6	6,010,884	01/04/2000	Griffiths <i>et al.</i>			05/29/1996
	AF6	6,040,430	03/21/2000	Stewart			12/26/1995
	AG6	6,066,778	05/23/2000	Ginsburg, <i>et al.</i>			11/06/1996
	AH6	6,063,627	06/16/2000	McVey <i>et al.</i>			02/25/1998
	AI6	6,080,576	06/27/2000	Zambrowicz, <i>et al.</i>			04/08/1998
	AJ6	6,143,557	11/07/2000	Hartley <i>et al.</i>			01/20/1999
	AK6	6,171,861	01/09/2001	Hartley <i>et al.</i>			01/12/1998

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NV	AL6	WO 97/06265	02/20/1997	WIPO			Yes No
NV	AM6	WO 97/09436	03/13/1997	WIPO			Yes No
NV	AN6	WO 97/25446	07/17/1997	WIPO			Yes No
NV	AO6	WO 97/32481	09/12/1997	WIPO			Yes No
NV	AP6	WO 98/10086	03/12/1998	WIPO			Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

NV	AR	6	Atlung, T., <i>et al.</i> , "A versatile method for integration of genes and gene fusions into the λ attachment site of <i>Escherichia coli</i> ," <i>Gene</i> 107:11-17, Elsevier Science (1991)
NV	AS	6	Ausubel, F.M., <i>et al.</i> , "Maps of Plasmids pBR322 and pUC19," in <i>Short Protocols in Molecular Biology, Third Edition</i> , John Wiley & Sons, Inc., Boston, MA, pp. 1.12-1.13 (1995)
NV	AT	6	Ayres, E.K., <i>et al.</i> , "Precise Deletions in Large Bacterial Genomes by Vector-mediated Excision (VEX) The <i>trfA</i> Gene of Promiscuous Plasmid RK2 is Essential for Replication in Several Gram-negative Hosts," <i>J. Mol. Biol.</i> 230:174-185, Academic Press (1993)

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NV	AA7	6,225,121	05/01/2001	Savakis, C. <i>et al.</i>			04/27/1998
	AB7	6,262,341	07/17/2001	Baszczynski <i>et al.</i>			11/17/1998
	AC7	6,270,969	08/07/2001	Hartley <i>et al.</i>			01/20/1999
	AD7	6,271,436	08/07/2001	Piedrahita <i>et al.</i>			10/10/1997
	AE7	6,277,608	08/21/2001	Hartley <i>et al.</i>			04/22/1999
	AF7	2002/0007051	01/17/2002	Cheo <i>et al.</i>			12/11/2000
	AG7	6,361,972	03/26/2002	Harrington <i>et al.</i>			01/10/2000
	AH7	6,365,377	04/02/2002	Patten <i>et al.</i>			03/03/2000
	AI7	2002/0068290	06/06/2002	Yarovinsky			05/31/2001
	AJ7	6,410,266	06/25/2002	Harrington <i>et al.</i>			01/07/2000
	AK7	6,410,317	06/25/2002	Farmer			07/14/2000

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NV	AL7	WO 98/53056	11/26/1998	WIPO			Yes X No
NV	AM7	WO 99/10488	03/04/1999	WIPO			Yes No
NV	AN7	WO 99/21977	05/06/1999	WIPO			Yes No
NV	AO7	WO 99/25851	05/27/1999	WIPO			Yes X No
NV	AP7	WO 99/55851	11/04/1999	WIPO			Yes No

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NV	AR	1	Babineau, D., <i>et al.</i> , "The FLP Protein of the 2-micron Plasmid of Yeast," <i>J. Biol. Chem.</i> 260:12313-12391, American Society for Biochemistry and Molecular Biology, Inc. (1985)
NV	AS	1	Backman, K., <i>et al.</i> , "Use of Synchronous Site-Specific Recombination <i>In Vivo</i> to Regulate Gene Expression," <i>BioTechnology</i> 2:1045-1049 (1984)
NV	AT	1	Bai, C., <i>et al.</i> , "SKP1 Connects Cell Cycle Regulators to the Ubiquitin Proteolysis Machinery through a Novel Motif, the F-Box," <i>Cell</i> 86:263-274, Cell Press (July 1996)

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NV	AA8	2002/0094574	07/18/2002	Hartley <i>et al.</i>			05/16/2001
	AB8	2002/0106797	08/08/2002	Miles <i>et al.</i>			03/12/2001
	AC8	6,436,707	08/20/2002	Zambrowicz <i>et al.</i>			03/25/1999
	AD8	2002/0172997	11/21/2002	Hartley <i>et al.</i>			07/19/2001
	AE8	2002/0182731	12/05/2002	Ji <i>et al.</i>			01/25/2002
	AF8	2002/0192819	12/19/2002	Hartley <i>et al.</i>			07/19/2001
	AG8	2003/0027289	02/06/2003	Farmer			04/05/2002
	AH8	2003/0027337	02/06/2003	Droge <i>et al.</i>			02/25/2002
	AI8	2003/0054552	03/20/2003	Hartley <i>et al.</i>			01/30/2002
	AJ8	2003/0054555	03/20/2003	Farmer <i>et al.</i>			09/17/2002
	AK8	2003/0059900	03/27/2003	Farmer			01/17/2002

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NV	AL8	WO 00/12687	03/09/2000	WIPO			Yes No
NV	AM8	EP 1 035 208	09/13/2000	Europe			Yes No
NV	AN8	WO 00/60091	10/12/2000	WIPO			Yes No
	AO8	WO 01/05961	01/25/2001	WIPO			Yes No
NV	AP8	WO 01/07572	02/01/2001	WIPO			Yes No

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NV	AR	§	Balakrishnan, R., <i>et al.</i> , "A gene cassette for adapting <i>Escherichia coli</i> strains as hosts for att-Int-mediated rearrangement and p_L expression vectors," <i>Gene</i> 138:101-104, Elsevier Science (January 1994)
NV	AS	§	Ball, C.A., and Johnson, R.C., "Efficient Excision of Phage λ from the <i>Escherichia coli</i> Chromosome Requires the Fis Protein," <i>J. Bacteriol.</i> 173: 4027-4031, American Society for Microbiology (July 1991)
NV	AT	§	Barnes, G., and Rine, J., "Regulated expression of endonuclease <i>EcoRI</i> in <i>Saccharomyces cerevisiae</i> : Nuclear entry and biological consequences," <i>Proc. Natl. Acad. Sci. USA</i> 82: 1354-1358, National Academy of Sciences (1985)

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NV	AA9	2003/0064515	04/03/2003	Hartley <i>et al.</i>			01/30/2002
NV	AB9	2003/0068799	04/10/2003	Hartley <i>et al.</i>			06/06/2002
	AC9	2003/0077804	04/24/2003	Byrd <i>et al.</i>			04/19/2002
	AD9	2003/0100110	05/29/2003	Hartley <i>et al.</i>			11/02/1999
	AE9	2003/0124555	07/03/2003	Brasch <i>et al.</i>			05/21/2002
	AF9	2003/0153055	08/14/2003	Miles <i>et al.</i>			02/20/2003
	AG9	2003/0157662	08/21/2003	Gerard <i>et al.</i>			11/13/2002
	AH9	2003/0157716	08/21/2003	Hartley <i>et al.</i>			11/02/2001
	AI9	2003/0175970	09/18/2003	Hartley <i>et al.</i>			11/21/2002
	AJ9	2003/0176644	09/18/2003	Byrd <i>et al.</i>			02/07/2002
	AK9	2003/0186233	10/02/2003	Chesnut <i>et al.</i>			12/07/2001

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NV	AL9	WO 01/11058	02/15/2001	WIPO			Yes No
NV	AM9	WO 01/31039	05/03/2001	WIPO			Yes No
NV	AN9	WO 01/62892	08/30/2001	WIPO			Yes No
NV	AO9	WO 02/00875	01/03/2002	WIPO			Yes No
	AP9	WO 02/05294	01/17/2002	WIPO			Yes No

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NV	AR	2	Bauer, C.E., <i>et al.</i> , "Extent of Sequence Homology Required for Bacteriophage Lambda Site-specific Recombination," <i>J. Mol. Biol.</i> 181:187-197, Academic Press Inc. (1985)
NV	AS	2	Bayley, C.C., <i>et al.</i> , "Exchange of gene activity in transgenic plants catalyzed by the Cre-lox site specific recombination system," <i>Plant Mol. Biol.</i> 18:353-361, Dordrecht Kluwer Academic (1992)
NV	AT	2	Bernard, P., and Couturier, M., "Cell Killing by the F plasmid Ccdb Protein Involves Poisoning of DNA-topoisomerase II Complexes," <i>J. Mol. Biol.</i> 226:735-745, Academic Press, Inc. (1992)

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NV	AA10	2003/0220249	11/27/2003	Hackett <i>et al.</i>			02/07/2003
	AB10	2004/0040053	02/26/2004	Nomura <i>et al.</i>			11/22/2002
	AC10	2004/0053412	03/18/2004	Hartley <i>et al.</i>			03/26/2003
	AD10	2004/0063207	04/01/2004	Hartley <i>et al.</i>			10/08/2003
	AE10	6,720,140	04/13/2004	Hartley <i>et al.</i>			02/04/2000
	AF10	2004/0171156	09/02/2004	Hartley <i>et al.</i>			04/02/2004
	AG10	2004/0171157	09/02/2004	Hartley <i>et al.</i>			04/08/2004
	AH10	2004/0219516	11/04/2004	Bennett <i>et al.</i>			07/18/2003
	AI10	2004/0219673	11/04/2004	Hartley <i>et al.</i>			03/10/2004
	AJ10	2004/0229229	11/18/2004	Cheo <i>et al.</i>			08/14/2003
	AK10	2004/0253631	12/16/2004	Hartley <i>et al.</i>			07/19/2004

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NV	AL10	WO 02/08391	01/31/2002	WIPO			Yes No
NV	AM10	WO 02/16594	02/28/2002	WIPO			Yes No
NV	AN10	WO 02/61034	08/08/2002	WIPO			Yes No
NV	AO10	WO 03/25161	03/27/2003	WIPO			Yes No
NV	AP10	WO 03/103600	12/18/2003	WIPO			Yes No

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NV	AR	10	Bernard, P., "Positive Selection of Recombinant DNA by CcdB," <i>BioTechniques</i> 21:320-323, Eaton Publishing Company (1996)
NV	AS	10	Bernard, P. <i>et al.</i> , "The F Plasmid CcdB Protein Induces Efficient ATP-dependent DNA Cleavage by Gyrase," <i>J. Mol. Biol.</i> 234:534-541, Academic Press, Inc. (1993)
NV	AT	10	Bernard, P., <i>et al.</i> , "Positive selection of vectors using the F plasmid <i>ccdB</i> killer gene," <i>Gene</i> 148: 71-74, Elsevier Science (1994)

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NV	AA11	2004/0265863	12/30/2004	Chesnut <i>et al.</i>			03/04/2004
NV	AB11	2005/0009091	01/13/2005	Hartley <i>et al.</i>			08/19/2004
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						

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	AL						Yes - No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

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NV	AR	11	Bethke, B., and Sauer, B., "Segmental genomic replacement by Cre-mediated recombination: genotoxic stress activation of the p53 promoter in single-copy transformants," <i>Nucl. Acids Res.</i> 25:2828-2834, Oxford University Press (1997)
NV	AS	11	Betz, U.A.K., <i>et al.</i> , "Bypass of lethality with mosaic mice generated by Cre-loxP-mediated recombination," <i>Curr. Biol.</i> 6:1307-1316, Current Biology Ltd. (October 1996)
NV	AT	11	Bhandari, P., and Gowrishankar, J., "An <i>Escherichia coli</i> host strain useful for efficient overproduction of cloned gene products with NaCl as the inducer," <i>J. Bacteriol</i> 179:4403-4406, American Society for Microbiology (July 1997)

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NV	AR	<u>12</u>	Black, L.W., "In vitro packaging into phage T4 particles and specific recircularization of phage lambda DNAs," <i>Gene</i> 46:97-101, Elsevier Science (1986)
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NV	AR	<u>13</u>	Boshart, M., <i>et al.</i> , "A Very Strong Enhancer is Located Upstream of an Immediate Early Gene of Human Cytomegalovirus," <i>Cell</i> 41:521-530, MIT (1985)
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NV	AR	17	Burioni, R., <i>et al.</i> , "An improved phage display vector for antibody repertoire cloning by construction of combinatorial libraries," <i>Res. Virol.</i> 148:161-164, Elsevier (1997)
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NV	AR	<u>18</u>	Chanock, R.M., <i>et al.</i> , "Human Monoclonal Antibody Fab Fragments Cloned from Combinatorial Libraries: Potential Usefulness in Prevention and/or Treatment of Major Human Viral Diseases," <i>Infect. Agents Dis.</i> 2:118-131, Raven Press (1993)
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NV	AR	19	Cherepanov, P.P., and Wackernagel, W., "Gene disruption in <i>Escherichia coli</i> : Tc ^R and Km ^R cassettes with the option of Flp-catalyzed excision of the antibiotic-resistance determinant," <i>Gene</i> 158:9-14, Elsevier Science (1995)
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NV	AR	<u>20</u>	Chuang, C-F., <i>et al.</i> , "Specific and heritable genetic interference by double-stranded RNA in <i>Arabidopsis thaliana</i> ," <i>Proc. Natl. Acad. Sci. USA</i> 97:4985-4990, National Academy of Sciences of the USA (April 2000)
NV	AS	<u>20</u>	Cigan, A.M., <i>et al.</i> , "Mutational Analysis of the <i>HIS4</i> Translational Initiator Region in <i>Saccharomyces cerevisiae</i> ," <i>Mol. Cell. Biol.</i> 8:2964-2975, American Society for Microbiology (1988)
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NV	AR	22	CLONTECH, "Creator™ SMART™ Library Construction Kit," <i>CLONTECHniques</i> 16:2 pages, CLONTECH, (October 2001)
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ATTY. DOCKET NO.
0942.285000N/BJD/JKMAPPLICATION NO.
10/815,730APPLICANT(S)
Hartley *et al.*FILING DATE
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NV	AR	26	Dang, D.T., and Perrimon, N., "Use of a Yeast Site-Specific Recombinase to Generate Embryonic Mosaics in <i>Drosophila</i> ," <i>Dev. Genet.</i> 13:367-375, Wiley-Liss (1992)
NV	AS	26	Datson, N.A., <i>et al.</i> , "MicroSAGE: a modified procedure for serial analysis of gene expression in limited amounts of tissue," <i>Nucl. Acids Res.</i> 27:1300-1307, Oxford University Press (March 1999)
NV	AT	26	Davies, J., and Reichmann, L., "An Antibody VH Domain with a <i>lox</i> -Cre Site Integrated Into its Coding Region: Bacterial Recombination within a Single Polypeptide Chain," <i>FEBS Letts.</i> 377:92-96, Elsevier Science (1995)

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NV	AR	27	Davis, C.R., <i>et al.</i> , "Analysis of the Mechanisms of Action of the <i>Saccharomyces cerevisiae</i> Dominant Lethal $cdc42^{G12V}$ and Dominant Negative $cdc42^{D118A}$ Mutations," <i>J. Biol. Chem.</i> 273:849-858, The American Society for Biochemistry and Molecular Biology (1998)
NV	AS	27	Degryse, E., "In vivo intermolecular recombination in <i>Escherichia coli</i> : application to plasmid constructions," <i>Gene</i> 170:45-50, Elsevier Science (1996)
NV	AT	27	Deng, M-D., and Coleman, J.R., "Ethanol Synthesis by Genetic Engineering in Cyanobacteria," <i>Appl. Environ. Microbiol.</i> 65:523-528, American Society for Microbiology (February 1999)

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NV	AR	28	Derbyshire, V., and Belfort, M., "Lightning strikes twice: Intron-intein coincidence," <i>Proc. Natl. Acad. Sci. USA</i> 95:1356-1357, National Academy of Sciences of the USA (1998)
NV	AS	28	Devine, S.E., and Boeke, J.D., "Efficient integration of artificial transposons into plasmid targets <i>in vitro</i> : a useful tool for DNA mapping, sequencing and genetic analysis," <i>Nucl. Acids Res.</i> 22:3765-3772, Oxford University Press (September 1994)
NV	AT	28	Diederich, L., <i>et al.</i> , "New Cloning Vectors for Integration into the λ Attachment Site <i>attB</i> of the <i>Escherichia coli</i> Chromosome," <i>Plasmid</i> 28:14-24, Academic Press (1992)

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NV	AR	29	Dijkema, R., <i>et al.</i> , "Cloning and Expression of the Chromosomal Immune Interferon Gene of the Rat." <i>EMBO J.</i> 4:761-767, IRL Press Limited (1985)
NV	AS	29	Dymecki, S.M., "A modular set of <i>Flp</i> , <i>FRT</i> and <i>lacZ</i> fusion vectors for manipulating genes by site-specific recombination," <i>Gene</i> 171:197-201, Elsevier North-Holland (June 1996)
NV	AT	29	Elledge, S.J., <i>et al.</i> , "λYES: A multifunctional cDNA expression vector for the isolation of genes by complementation of yeast and <i>Escherichia coli</i> mutations," <i>Proc. Natl. Acad. Sci. USA</i> 88:1731-1735, National Academy of Sciences (1991)

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NV	AS	30	Esposito, D., <i>et al.</i> , "The integrase family of tyrosine recombinases: evolution of a conserved active site domain," <i>Nucl. Acids Res.</i> 25:3605-3614, Oxford University Press (1997)
NV	AT	30	Feil, R., <i>et al.</i> , "Regulation of Cre Recombinase Activity by Mutated Estrogen Receptor Ligand-Binding Domains," <i>Biochem. Biophys. Res. Comm.</i> 237:752-757, Academic Press (1997)

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NV	AR	<u>31</u>	Feinbaum, R., "Vectors Derived from Plasmids," in <i>Current Protocols in Molecular Biology</i> , Ausubel, F.M., <i>et al.</i> , eds., John Wiley & Sons, Inc., Boston, MA, pp. 1:1.5.1-1.5.17 (1998)
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NV	AT	<u>31</u>	Fiering, S., <i>et al.</i> , "An 'in-out' strategy using gene targeting and FLP recombinase for the functional dissection of complex DNA regulatory elements: Analysis of the β -globin locus control region," <i>Proc. Natl. Acad. Sci. USA</i> 90:8469-8473, National Academy of Sciences (1993)

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NV	AR	32	Filutowicz, M., <i>et al.</i> , "Purification of the <i>Escherichia coli</i> integration host factor (IHF) in one chromatographic step," <i>Gene</i> 147:149-150, Elsevier Science (September 1994)
NV	AS	32	Flanagan, P.M., and Fennwald, M.A., "Analysis of Inhibitors of the Site-specific Recombination Reaction Mediated by TN3 Resolvase," <i>J. Mol. Biol.</i> 206:295-304, Academic Press Limited (1989)
NV	AT	32	Flores, A., <i>et al.</i> , "A protein-protein interaction map of yeast RNA polymerase III," <i>Proc. Natl. Acad. Sci. USA</i> 96:7815-7820, National Academy of Sciences (July 1999)

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NV	AR	33	Francia, M.V., <i>et al.</i> , "Gene Integration in the <i>Escherichia coli</i> Chromosome Mediated by Tn21 Integrase (Int21)," <i>J. Bacteriol.</i> 178:894-898, American Society For Microbiology (February 1996)
NV	AS	33	Francia, M.V., <i>et al.</i> , "The Int11 Integron Preferentially Binds Single-Stranded DNA of the <i>attC</i> Site," <i>J. Bacteriol.</i> 181:6844-6849, American Society for Microbiology (1999)
NV	AT	33	Fukushige, S., and Sauer, B., "Genomic targeting with a positive-selection <i>lox</i> integration vector allows highly reproducible gene expression in mammalian cells," <i>Proc. Natl. Acad. Sci. USA</i> 89:7905-7909, National Academy of Sciences (1992)

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NV	AR	34	Gage, P.J., <i>et al.</i> , "A Cell-Free Recombination System for Site-Specific Integration of Multigenic Shuttle Plasmids into Herpes Simplex Type 1 Genome," <i>J. Virol.</i> 66:5509-5515, American Society for Microbiology (1992)
NV	AS	34	Gateway™ Cloning Technology, Version 1, GIBCO BRL, Life Technologies Instruction Manual, pp. 1-60 (November 1999), available at: http://www.lifetech.com/gateway
NV	AT	34	Gay, P., <i>et al.</i> , "Positive Selection Procedure for Entrapment of Insertion Sequence Elements in Gram-Negative Bacteria," <i>J. Bacteriol.</i> 164:918-921, American Society for Microbiology (1985)

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NV	AR	35	Gay, P., <i>et al.</i> , "Cloning Structural Gene <i>sacB</i> , which Codes for Exoenzyme Levansucrase of <i>Bacillus Subtilis</i> : Expression of the Gene in <i>Escherichia coli</i> ," <i>J. Bacteriol.</i> 153:1424-1431, American Society for Microbiology (1983)
NV	AS	35	Geoffroy, F., <i>et al.</i> , "A new phage display system to construct multicombinatorial libraries of very large antibody repertoires," <i>Gene</i> 151:109-113, Elsevier Science (December 1994)
NV	AT	35	Glasgow, A.C., <i>et al.</i> , "DNA-binding Properties of the Hin Recombinase," <i>J. Biol. Chem.</i> 264:10072-10082, American Society for Biochemistry and Molecular Biology (1989)

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NV	AR	36	Golic, K.G., and Lindquist, S., "The FLP Recombinase of Yeast Catalyzes Site-Specific Recombination in the Drosophila Genome," <i>Cell</i> 59:499-509, Cell Press (1989)
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NV	AT	36	Götz, F., <i>et al.</i> , "Escherichia coli 30S mutants lacking protein S20 are defective in translation initiation," <i>Biochim. Biophys. Acta</i> 1050:93-97, Elsevier Publishing Co. (1990)

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NV	AT	37	Gronostajski, R.M., and Sadowski, P.D., "The FLP Protein of the 2-micron Plasmid of Yeast. Inter- and Intramolecular Reactions," <i>J. Biol. Chem.</i> 260:12328-12335, The American Society of Biological Chemists, Inc. (1985)

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NV	AT	39	Hardy, S., <i>et al.</i> , "Construction of Adenovirus Vectors through Cre-lox Recombination," <i>J. Virol.</i> 71:1842-1849, American Society for Microbiology (1997)

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	AL						Yes No
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NV	AR	40	Hartley, J.L., <i>et al.</i> , "DNA Cloning Using In Vitro Site-Specific Recombination," <i>Genome Res.</i> 10:1788-1795, Cold Spring Harbor Laboratory Press (November 2000)
NV	AS	40	Hasan, N., <i>et al.</i> , "Escherichia coli genome targeting, I. Cre-lox-mediated in vitro generation of <i>ori</i> plasmids and their in vivo chromosomal integration and retrieval," <i>Gene</i> 150:51-56, Elsevier Science (December 1994)
NV	AT	40	Hasan, N., and Szybalski, W., "Control of cloned gene expression by promoter inversion in vivo: construction of improved vectors with a multiple cloning site and the <i>p_{lac}</i> promoter," <i>Gene</i> 56:145-151, Elsevier Science (1987)

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NV	AS	41	Hehl, R., <i>et al.</i> , "Structural analysis of Tam3, a transposable element from <i>Antirrhinum majus</i> , reveals homologies to the Ac element from maize," <i>Plant Mol. Biol.</i> 16:369-371, Kluwer Academic Press (1991)
NV	AT	41	Henikoff, S., "Unidirectional digestion with exonuclease III creates targeted breakpoints for DNA sequencing," <i>Gene</i> 28:351-359, Elsevier Science Publishers (1984)

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NV	AT	42	Hoekstra, M.F., <i>et al.</i> , "Shuttle Mutagenesis: Bacterial Transposons for Genetic Manipulations in Yeast," <i>Meth. Enzymol.</i> 194:329-342, Academic Press (1991)

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NV	AT	43	Hoess, R.H., <i>et al.</i> , "P1 site-specific recombination: Nucleotide sequence of the recombining sites," <i>Proc. Natl. Acad. Sci. USA</i> 79:3398-3402, National Academy of Sciences (1982)

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NV	AT	44	Hoess, R.H., and Abremski, K., "Interaction of the Bacteriophage P1 Recombinase Cre with the Recombining Site <i>loxP</i> ," <i>Proc. Natl. Acad. Sci. USA</i> 81:1026-1029, National Academy of Sciences (1984)

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NV	AT	45	Iida, S., <i>et al.</i> , "A site specific, conservative recombination system carried by bacteriophage P1, Mapping of the recombinase gene <i>cin</i> and the crossover sites <i>cix</i> for the inversion of the <i>c</i> segment," <i>EMBO J.</i> 1:1445-1453, Oxford University Press (1982)

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NV	AR	46	Iino, T., and Kutsukake, K., "Trans-acting Genes of Bacteriophages P1 and Mu Mediate Inversion of a Specific DNA Segment Involved in Flagellar Phase Variation of <i>Salmonella</i> ," <i>Cold Spring Harbor Symposia on Quantitative Biology</i> 45:11-16, Cold Spring Harbor Laboratory Press (1981)
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NV	AR	47	Institut Pasteur Website, Figure 2: http://www.pasteur.fr/recherche/unites/pmtg/integ/fig2.html (accessed 6/19/2003)
NV	AS	47	Institut Pasteur Website, Figure 3: http://www.pasteur.fr/recherche/unites/pmtg/integ/fig3.html (accessed 6/19/2003)
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NV	AR	<u>48</u>	Invitrogen Online Catalog, "The Echo™ Cloning System: The Future of Cloning is Here," available at: http://web.archive.org/web/20010112191100/www.invitrogen.com/catalog_project/cat_echo.html (accessed July 7, 2004)
NV	AS	<u>48</u>	Jaffé, A., <i>et al.</i> , "Effects of the <i>ccd</i> Function of the F Plasmid on Bacterial Growth," <i>J. Bacteriol.</i> 163:841-849, American Society For Microbiology (1985)
NV	AT	<u>48</u>	Jayaram, M., "The <i>Int</i> Family of Site-specific Recombinases: Some thoughts on a General Reaction Mechanism," <i>J. Genet.</i> 67:29-36, Indian Academy of Sciences (1988)

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NV	AR	49	Jeong, J-H., <i>et al.</i> , "Cloning and nucleotide sequencing of the genes, <i>rplU</i> and <i>rpmA</i> , for ribosomal proteins L21 and L27 of <i>Escherichia coli</i> ," <i>J. DNA Sequencing and Mapping</i> 4:59-67, Harwood Academic Publishers GmbH (1993)
NV	AS	42	Johnson, R.C., <i>et al.</i> , "Isolation of the gene encoding the <i>Hin</i> recombinational enhancer binding protein," <i>Proc. Natl. Acad. Sci. USA</i> 85:3484-3488, National Academy of Sciences (1988)
NV	AT	42	Kanaar, R., <i>et al.</i> , "Gin-Mediated Recombination of Catenated and Knotted DNA Substrates: Implications for the Mechanism of Interaction Between <i>Cis</i> -Acting Sites," <i>Cell</i> 58:147-159, Cell Press (1989)

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NV	AS	<u>50</u>	Katz, L., <i>et al.</i> , "Site-specific recombination in <i>Escherichia coli</i> between the <i>att</i> sites of plasmid pSE211 from <i>Saccharopolyspora erythraea</i> ," <i>Mol. Gen. Genet.</i> 227: 155-159, Springer-Verlag (1991)
NV	AT	<u>50</u>	Kealey, J.T., <i>et al.</i> , "Production of Polyketide Natural Product in Nonpolyketide-producing Prokaryotic and Eukaryotic Hosts," <i>Proc. Natl. Acad. Sci. USA</i> 95:505-509, National Academy of Sciences (January 1998)

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NV	AT	51	Kim, S., and Landy, A., "Lambda Int Protein Bridges Between Higher Order Complexes at Two Distant Chromosomal Loci <i>attL</i> and <i>attR</i> ," <i>Science</i> 256:198-203, American Association for the Advancement of Science (1992)

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NV	AT	53	Kouprina, N., <i>et al.</i> , "Rescue of Targeted Regions of Mammalian Chromosomes by in Vivo Recombination in Yeast," <i>Genome Res.</i> 8:666-672, Cold Spring Harbor Research Laboratory Press (1998)

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NV	AT	<u>68</u>	Miki, T., <i>et al.</i> , "Control of segregation of chromosomal DNA by sex factor F in <i>Escherichia coli</i> . Mutants of DNA gyrase subunit A suppress <i>letD</i> (<i>ccdB</i>) product growth inhibition," <i>J. Mol. Biol.</i> 225:39-52, Academic Press (1992)

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0942.285000N/BJD/JKMAPPLICATION NO.
10/8:5,730APPLICANT(S)
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NV	AR	83	Pierce, J.C., <i>et al.</i> , "A positive selection vector for cloning high molecular weight DNA by the bacteriophage P1 system: Improved cloning efficacy," <i>Proc. Natl. Acad. Sci. USA</i> 89:2056-2060, National Academy of Sciences (1992)
NV	AS	83	Podhajska, A.J., <i>et al.</i> , "Control of cloned gene expression by promoter inversion in vivo: construction of the heat-pulse-activated <i>att-nutL-p-att-N</i> module," <i>Gene</i> 40:163-168, Elsevier Science (1985)
NV	AT	83	Pósfai, G., <i>et al.</i> , "In vivo excision and amplification of large segments of the <i>Escherichia coli</i> genome," <i>Nucl. Acids Res.</i> 22:2392-2398, Oxford University Press (June 1994)

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NV	AR	84	Powell, J., "Enhanced concatemer cloning-a modification to the SAGE (Serial Analysis of Gene Expression) technique," <i>Nucl. Acids Res.</i> 26:3445-3446, Oxford University Press (1998)
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NV	AT	84	Prieto, M.A., <i>et al.</i> , "Molecular Characterization of the 4-Hydroxyphenylacetate Catabolic Pathway of <i>Escherichia coli</i> W: Engineering a Mobile Aromatic Degradative Cluster," <i>J. Bacteriol.</i> 178:111-120, American Society for Microbiology (1996)

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NV	AR	85	Qian, X., <i>et al.</i> , "Reactions between Half- and Full-FLP Recombination Target Sites: A Model System for Analyzing Early Steps in FLP Protein-Mediated Site-Specific Recombination," <i>J. Biol. Chem</i> 267:7794-7805, American Society for Biochemistry and Molecular Biology (1992)
NV	AS	85	Qin, M., <i>et al.</i> , "Cre recombinase-mediated site-specific recombination between plant chromosomes," <i>Proc. Natl. Acad. Sci. USA</i> 91:1706-1710, National Academy of Sciences (1994)
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NV	AR	86	Reed, R.R., and Grindley, N.D., "Transposon-Mediated Site-Specific Recombination in Vitro: DNA Cleavage and Protein-DNA Linkage at the Recombination Site," <i>Cell</i> 25:721-728, Cell Press (1981)
NV	AS	86	Reed, R.R., "Transposon-Mediated Site-Specific Recombination: A Defined in Vitro System," <i>Cell</i> 25:713-719, Cell Press (1981)
NV	AT	86	Richet, E., <i>et al.</i> , "Synopsis of Attachment Sites during Lambda Integrative Recombination Involves Capture of a Naked DNA by a Protein-DNA Complex," <i>Cell</i> 52:9-17, Cell Press (1988)

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NV	AR	87	Richet, E., <i>et al.</i> , "The Interaction of Recombination Proteins with Supercoiled DNA: Defining the Role of Supercoiling in Lambda Integrative Recombination," <i>Cell</i> 46:1011-1021, Cell Press (1986)
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NV	AR	88	Sadowski, P.D., "The Flp recombinase of the 2-microns plasmid of <i>Saccharomyces cerevisiae</i> ," <i>Prog. Nucl. Acid Res. Mol. Biol.</i> 51:53-91, Academic Press (1995)
NV	AS	88	Sadowski, P., "Site-Specific Recombinases: Changing Partners and Doing the Twist," <i>J. Bacteriol.</i> 165:341-347, American Society for Microbiology (1986)
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NV	AR	89	Sandhu, J.S., "Protein Engineering of Antibodies," <i>Crit. Rev. Biotechnol.</i> 12:437-462, CRC Press, Inc. (1992)
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NV	AT	89	Sauer, B., "Functional Expression of the <i>cre-lox</i> Site-Specific Recombination System in the Yeast <i>Saccharomyces cerevisiae</i> ," <i>Mol. Cell. Biol.</i> 7:2087-2096, American Society for Microbiology (1987)

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NV	AR	<u>90</u>	Sauer, B., <i>et al.</i> , "Construction of Isogenic Cell Lines Expressing Human and Rat Angiotensin II AT1 Receptors by Cre-Mediated Site-Specific Recombination," <i>Methods</i> 4:143-149, Academic Press (1992)
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NV	AT	<u>90</u>	Sauer, B., "Expression and Functioning in Yeast of a Bacterial Site Specific Recombination System," <i>J. Cell. Bio. Chem. Supp.</i> 10(b): 242 (I340), Alan R. Liss, Inc. (1986)

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NV	AR	21	Sauer, B., and Henderson, N., "Cre-stimulated recombination at <i>loxP</i> -containing DNA sequences placed into the mammalian genome," <i>Nucl. Acids Res.</i> 17:147-161, Oxford University Press (1989)
NV	AS	21	Sauer, B., "Manipulation of Transgenes by Site-Specific Recombination: Use of Cre Recombinase," <i>Meth. Enzymol.</i> 225:890-900, Academic Press (1993)
NV	AT	21	Sauer, B., "Site-specific recombination: developments and applications," <i>Curr. Opin. Biotechnol.</i> 5:521-527, Current Biology (October 1994)

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NV	AR	<u>22</u>	Sauer, B., <i>et al.</i> , "Site-specific insertion of DNA into a pseudorabies virus vector," <i>Proc. Natl. Acad. Sci. USA</i> 84:9108-9112, National Academy of Sciences (1987)
NV	AS	<u>22</u>	Sauer, B., and Henderson, N., "The cyclization of linear DNA in <i>Escherichia coli</i> by site-specific recombination," <i>Gene</i> 70:331-341, Elsevier Science (1988)
NV	AT	<u>22</u>	Sauer, B., "Inducible gene targeting in mice using the Cre/lox system," <i>Methods</i> 14:381-392, Academic Press (April 1998)

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NV	AR	93	Sauer, B., "Multiplex Cre/lox recombination permits selective site-specific DNA targeting to both a natural and an engineered site in the yeast genome," <i>Nucl. Acids Res.</i> 24:4608-4613, Oxford University Press (1996)
NV	AS	93	Schild, D., <i>et al.</i> , "Cloning of Three Human Multifunction <i>de novo</i> Purine Biosynthetic Genes by Functional Complementation of Yeast Mutations," <i>Proc. Natl. Acad. Sci. USA</i> 87:2916-2920, National Academy of Sciences (1990)
NV	AT	93	Schindelbauer, D., and Cooke, H.J., "Efficient combination of large DNA <i>in vitro</i> : in gel site specific recombination (IGSSR) of PAC fragments containing a satellite DNA and the human HPRT gene locus," <i>Nucl. Acids Res.</i> 25:2241-2243, Oxford University Press (1997)

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NV	AR	26	Senecoff, J.F., <i>et al.</i> , "DNA Recognition by the FLP Recombinase of the Yeast 2 μ Plasmid - A Mutational Analysis of the FLP Binding Site," <i>J. Mol. Biol.</i> 201:405-421, Academic Press (1988)
NV	AS	26	Sheffield, P., <i>et al.</i> , "Overcoming expression and purification problems of RhoGDI using a family of "parallel" expression vectors," <i>Protein Expr. Purif.</i> 15:34-39, Academic Press (1999)
NV	AT	26	Shim, J., <i>et al.</i> , "Distinct and Redundant Functions of μ 1 Medium Chains of the AP-1 Clathrin-Associated Protein Complex in the Nematode <i>Caenorhabditis elegans</i> ," <i>Mol. Biol. Cell</i> 11:2743-2756, American Society for Biology (August 2000)

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NV	AR	27	Shuman, S., "Recombination mediated by vaccinia virus DNA topoisomerase I in <i>Escherichia coli</i> is sequence specific," <i>Proc. Natl. Acad. Sci. USA</i> 88:10104-10108, National Academy of Sciences (1991)
NV	AS	27	Shuman, S., "Novel Approach to Molecular Cloning and Polynucleotide Synthesis Using Vaccinia DNA Topoisomerase," <i>J. Biol. Chem.</i> 269:32678-32684, American Society for Biochemistry and Molecular Biology, Inc. (1994)
NV	AT	27	Simpson, J.C., <i>et al.</i> , "Systematic Subcellular Localization of Novel Proteins Identified by Large-scale cDNA Sequencing," <i>EMBO Rep.</i> 1:287-292, Oxford University Press (September 2000)

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NV	AR	98	Sinclair, B., "Honing Your Cloning," <i>The Scientist</i> 14:29-32, The Scientist Inc. (August 21, 2000) available at: http://www.the-scientist.com/yr2000/aug/profile1_000821.html
NV	AS	98	Sizemore, C., <i>et al.</i> , "Quantitative analysis of Tn10 Tet repressor binding to a complete set of <i>tet</i> operator mutants," <i>Nucl. Acids Res.</i> 18:2875-2880, Oxford University Press (1990)
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NV	AS	22	Snaith, M.R., <i>et al.</i> , "Multiple cloning sites carrying loxP and FRT recognition sites for the Cre and Flp site-specific recombinases," <i>Gene</i> 166:173-174, Elsevier Science (December 1, 1995)
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NV	AS	100	Stark, W. M., <i>et al.</i> , "Site-specific Recombination by TN3 Resolvase: Topological Changes in the Forward and Reverse Reactions," <i>Cell</i> 58:779-790, Cell Press (1989)
NV	AT	100	Stassi, D.L., <i>et al.</i> , "Ethyl-substituted erythromycin derivatives produced by directed metabolic engineering," <i>Proc. Natl. Acad. Sci. USA</i> 95:7305-7309, National Academy of Sciences of the USA (1998)

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NV	AS	<u>101</u>	Stenzel, T. T., <i>et al.</i> , "The Integration Host Factor of <i>Escherichia coli</i> Binds to Bent DNA at the Origin of Replication of the Plasmid pSC01," <i>Cell</i> 49:709-717, Cell Press (1987)
NV	AT	<u>101</u>	Sternberg, N., "Bacteriophage P1 cloning system for the isolation, amplification, and recovery of DNA fragments as large as 100 kilobase pairs," <i>Proc. Natl. Acad. Sci. USA</i> 87:103-107, National Academy of Sciences (1990)

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NV	AS	<u>103</u>	Stryer, L., <i>Biochemistry</i> , 2nd ed., W.H. Freeman and Co., San Francisco, CA, p. 610 (1981)
NV	AT	<u>103</u>	Stuurman, J., <i>et al.</i> , "Single-site manipulation of tomato chromosomes <i>in vitro</i> and <i>in vivo</i> using Cre-lox site-specific recombination," <i>Plant Molecular Biology</i> 32:901-913, Kluwer Academic Publishers (1996)

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NV	AR	104	Sugiura, S., <i>et al.</i> , "Minimal Essential Origin of Plasmid pSC101 Replication: Requirement of a Region Downstream of Iterons," <i>J. Bacteriol.</i> 175:5993-6001, American Society for Microbiology (1993)
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NV	AT	104	Thompson, J.F., <i>et al.</i> , "Mutations in an Integration Host Factor-Binding Site: Effect on Lambda Site-Specific Recombination and Regulatory Implications," <i>J. Bacteriol.</i> 168:1343-1351, American Society For Microbiology (1986)

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NV	AR	<u>105</u>	Thorpe, H.M., and Smith, M.C.M., "In vitro site-specific integration of bacteriophage DNA catalyzed by a recombinase of the resolvase/invertase family," <i>Proc. Natl. Acad. Sci. USA</i> 95:5505-5510, National Academy of Sciences (May 1998)
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NV	AT	<u>105</u>	Uetsuki, T., <i>et al.</i> , "Isolation and Characterization of the Human Chromosomal Gene for Polypeptide Chain Elongation Factor-1a," <i>J. Biol. Chem.</i> 264:5791-5798, The American Society for Biochemistry and Molecular Biology, Inc. (1989)

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NV	AR	106	van den Berg, A., <i>et al.</i> , "Serial analysis of gene expression: rapid RT-PCR analysis of unknown SAGE tags," <i>Nucl. Acid Res.</i> 27(e17):i-iii, Oxford University Press (1999)
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NV	AT	106	Venkatesh, T.V., and Radding, C.M., "Ribosomal Protein S1 and NusA Protein Complexed to Recombination protein b of Phage 1," <i>J. Bacteriol.</i> 175:1844-1846, American Society of Microbiology (1993)

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NV	AR	<u>107</u>	Vetter, D., <i>et al.</i> , "Site-specific recombination of yeast 2- μ m DNA <i>in vitro</i> ," <i>Proc. Natl. Acad. Sci. USA</i> 80: 7284-7288, National Academy of Sciences (1983)
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NV	AT	<u>109</u>	Wild, J., <i>et al.</i> , "A broad-host-range <i>in vivo</i> pop-out and amplification system for generating large quantities of 50- to 100-kb genomic fragments for direct DNA sequencing," <i>Gene</i> 179:181-188, Elsevier Science (1996)

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NV	AS	110	Winoto, A., <i>et al.</i> , "Directional Control of Site-specific Recombination by Bacteriophage λ ," <i>J. Mol. Biol.</i> 192:677-680, Academic Press (1986)
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NV	AT	<u>111</u>	Yanisch-Perron, C., <i>et al.</i> , "Improved M13 phage cloning vectors and host strains: nucleotide sequences of the M13mp18 and pUC19 vectors," <i>Gene</i> 33:103-119, Elsevier Science (1985)

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INFORMATION DISCLOSURE STATEMENTATTY. DOCKET NO.
0942.285000N/BJD/JKMAPPLICATION NO.
10/815,730APPLICANT(S)
Hartley *et al.*FILING DATE
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NV	AR	<u>112</u>	Yoon, Y.G., <i>et al.</i> , "Cre/loxP-mediated in vivo excision of large segments from yeast genome and their amplification based on the 2 μ m plasmid-derived system," <i>Gene</i> 223:67-76, Elsevier Science (1998)
NV	AS	<u>112</u>	Yoon, H., <i>et al.</i> , "SSL1, a Suppressor for a <i>HIS4</i> 5'-UTR Stem-loop Mutation, is Essential for Translation Initiation and Affects UV Resistance in Yeast," <i>Genes Dev.</i> 6:2463-2477, Cold Spring Harbor Laboratory Press (1992)
NV	AT	<u>112</u>	York, D., <i>et al.</i> , "Simple and efficient generation <i>in vitro</i> of nested deletions and inversions: Tn5 intramolecular transposition," <i>Nucl. Acids Res.</i> 26:1927-1933, Oxford University Press (1998)

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NV	AR	<u>113</u>	Zahra, D.G., <i>et al.</i> , "Selectable in-vivo Recombination to Increase Antibody Library Size-an Improved Phage Display Vector System," <i>Gene</i> 227:49-54, Elsevier Science (1994)
NV	AS	<u>113</u>	Zechiedrich, E.L., <i>et al.</i> , "Topoisomerase IV, not gyrase, decatenates products of site-specific recombination in <i>Escherichia coli</i> ," <i>Genes Dev.</i> 11:2580-2592, Cold Spring Harbor Laboratory Press (1997)
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NV	AR	<u>114</u>	Zhu, X.D., <i>et al.</i> , "Homology requirements for ligation and strand exchange by the FLP recombinase," <i>J. Biol. Chem.</i> 270:11646-11653, American Society for Biochemistry and Molecular Biology (1995)
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NV	AT	<u>114</u>	U.S. Patent Application No. 09/517,466, Hartley <i>et al.</i> , filed March 2, 2000 (NOT PUBLISHED)

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NV	AR	<u>115</u>	U.S. Patent Application No. 09/695,065, Brasch <i>et al.</i> , filed October 25, 2000 (NOT PUBLISHED)
NV	AS	<u>115</u>	U.S. Patent Application No. 09/984,239, Brasch <i>et al.</i> , filed October 29, 2001 (NOT PUBLISHED)
NV	AT	<u>115</u>	U.S. Patent Application No. 10/633,690, Byrd <i>et al.</i> , filed August 5, 2003 (NOT PUBLISHED)

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NV	AR	<u>116</u>	U.S. Patent Application No. 10/877,952, Welch <i>et al.</i> , filed July 28, 2004 (NOT PUBLISHED)
NV	AS	<u>116</u>	U.S. Patent Application No. 10/913,501, Chesnut <i>et al.</i> , filed August 9, 2004 (NOT PUBLISHED)
NV	AT	<u>116</u>	U.S. Patent Application No. 10/970,635, Hanson, filed October 22, 2004 (NOT PUBLISHED)

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NV	AR	<u>117</u>	U.S. Patent Application No. 11/000,371, Chesnut <i>et al.</i> , filed December 1, 2004 (NOT PUBLISHED)
NV	AS	<u>117</u>	Dialog File 351, Derwent World Patent Index, Unverified English Language Abstract for PCT Patent No. WO 98/53056 (Document AL7), WPI Accession No. 12194396
NV	AT	<u>117</u>	Dialog File 351, Derwent World Patent Index, Unverified English Language Abstract for PCT Patent No. WO 99/25851 (Document AO7), WPI Accession No. 12541379

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NV	AR	<u>118</u>	Argos, P., <i>et al.</i> , "The integrase family of site-specific recombinases: regional similarities and global diversity," <i>EMBO J.</i> 5:433-440, IRL Press Ltd. (1986)
NV	AS	<u>118</u>	Invitrogen Online Catalog, "The Echo™ Cloning System: The Future of Cloning is Here," available at: http://invitrogen.com/content.cfm?pageid=3371&cfd=16767784&cftoken=62396683 (accessed July 7, 2004)
NV	AT	<u>118</u>	Office Action for U.S. Patent Application No. 09/907,719, mailed on July 13, 2004

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NV	AR	<u>119</u>	Office Action for U.S. Patent Application No. 09/432,085, mailed on July 16, 2004
NV	AS	<u>119</u>	Office Action for U.S. Patent Application No. 10/058,291, mailed on September 22, 2004
NV	AT	<u>119</u>	Office Action for U.S. Patent Application No. 10/058,292, mailed on September 22, 2004

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0942.285000N/BJD/JKM

APPLICATION NO.

10/815,730

APPLICANT(S)

Hartley *et al.*

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NV	AR	<u>120</u>	Office Action for U.S. Patent Application No. 09/855,797, mailed on October 1, 2004
NV	AS	<u>120</u>	Office Action for U.S. Patent Application No. 09/695,065, mailed on October 27, 2004
NV	AT	<u>120</u>	Office Action for U.S. Patent Application No. 10/820,133 mailed on November 17, 2004

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NV	AR	121	Office Action for U.S. Patent Application No. 09/907,719 mailed on December 28, 2004
NV	AS	121	Office Action for U.S. Patent Application No. 09/432,085, mailed on December 28, 2004
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EXAMINER /Nancy Vogel/

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09/27/2006

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